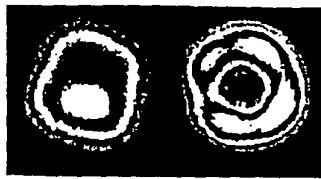


Fig. 1

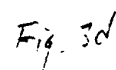
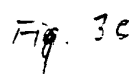
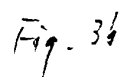
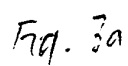


Hermite-Gaussian
mode VCSEL:

Fig. 2a

Laguerre-Gaussian
mode VCSEL:

Fig. 2b

[illegible]

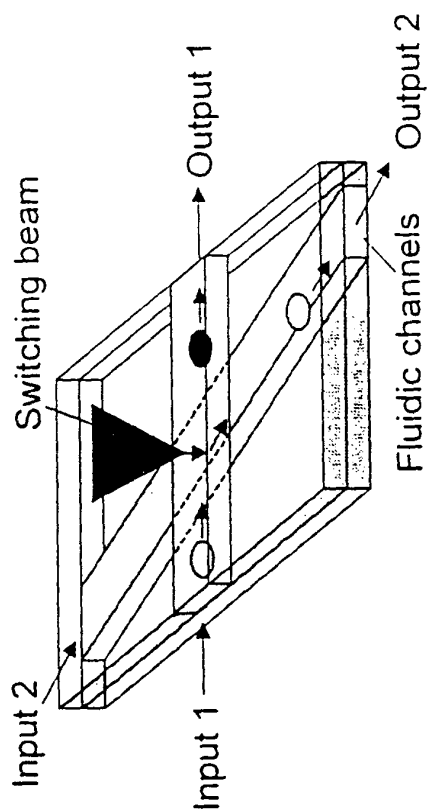


Fig. 4a

Side view:

Optical beam off:

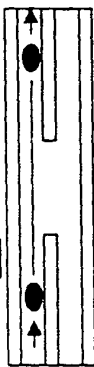
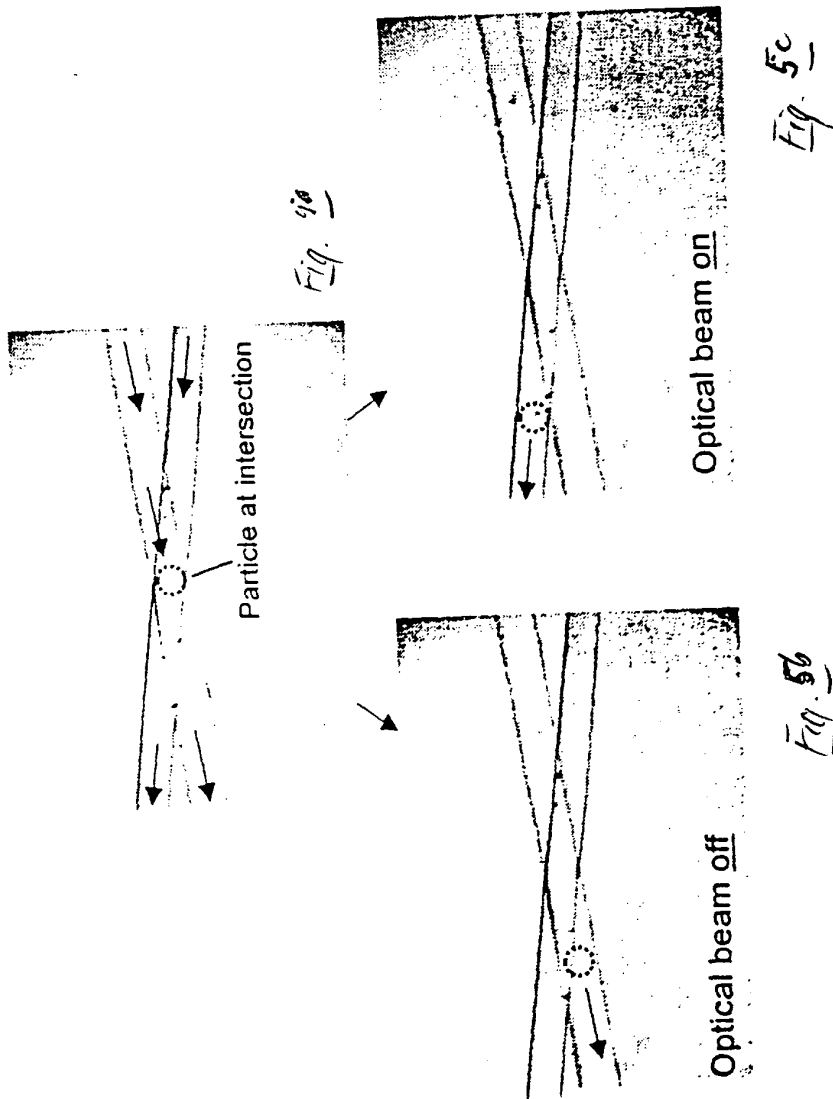


Fig. 4b

Optical beam on:



Fig. 4c



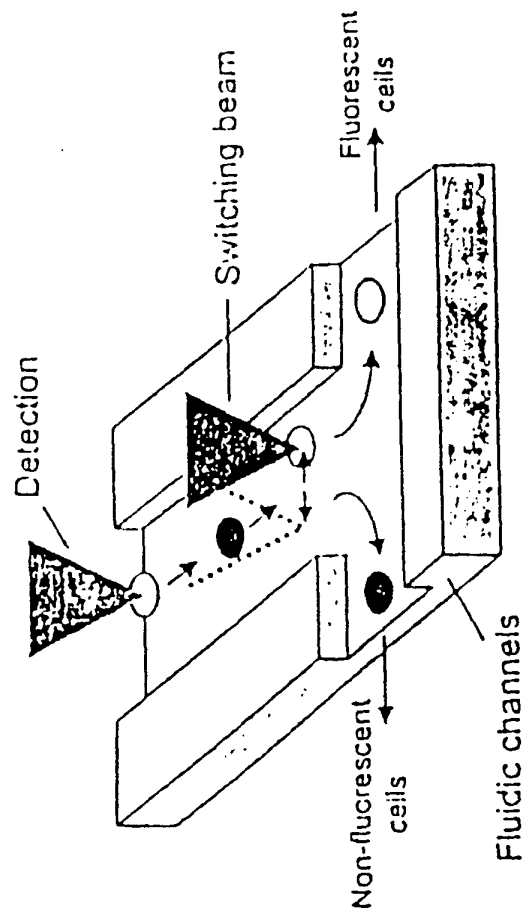


Fig 6

00000042-12504

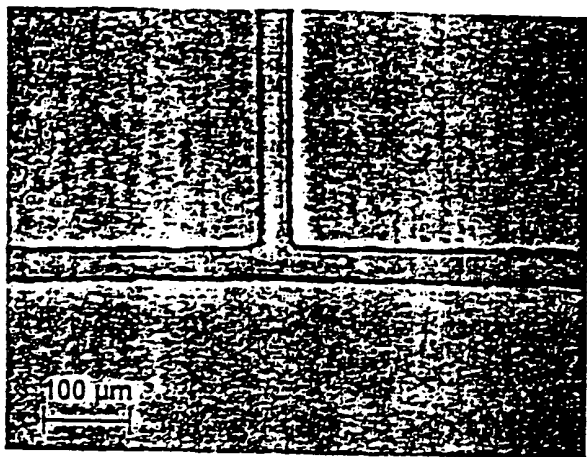


Fig. 79

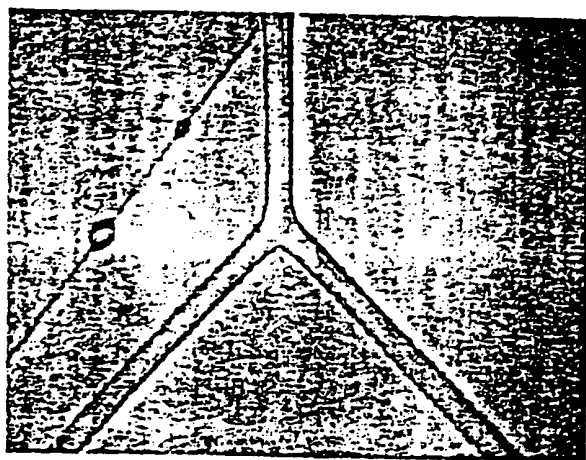


Fig. 78

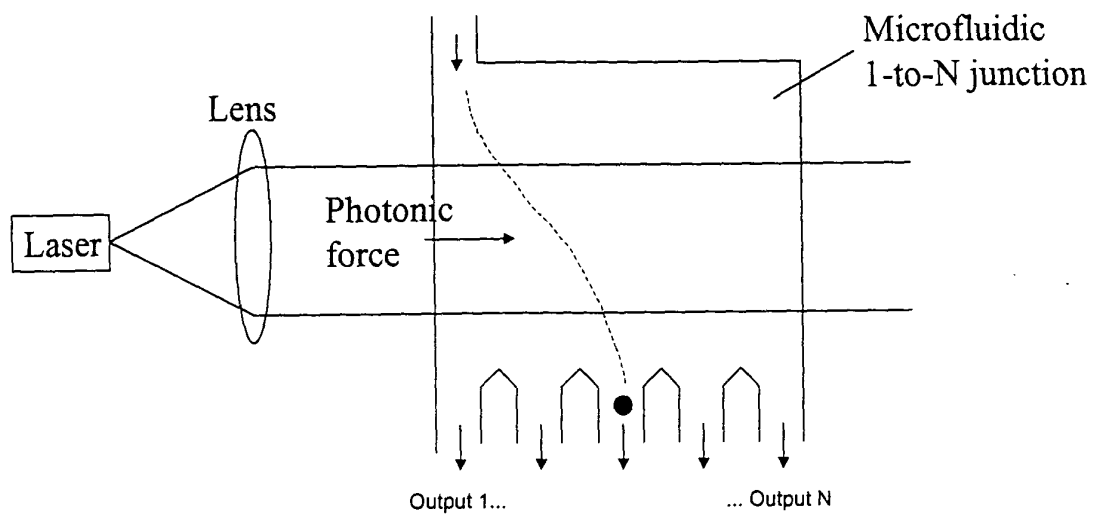


Figure 7c 1-to-N optically-switched microfluidic junction

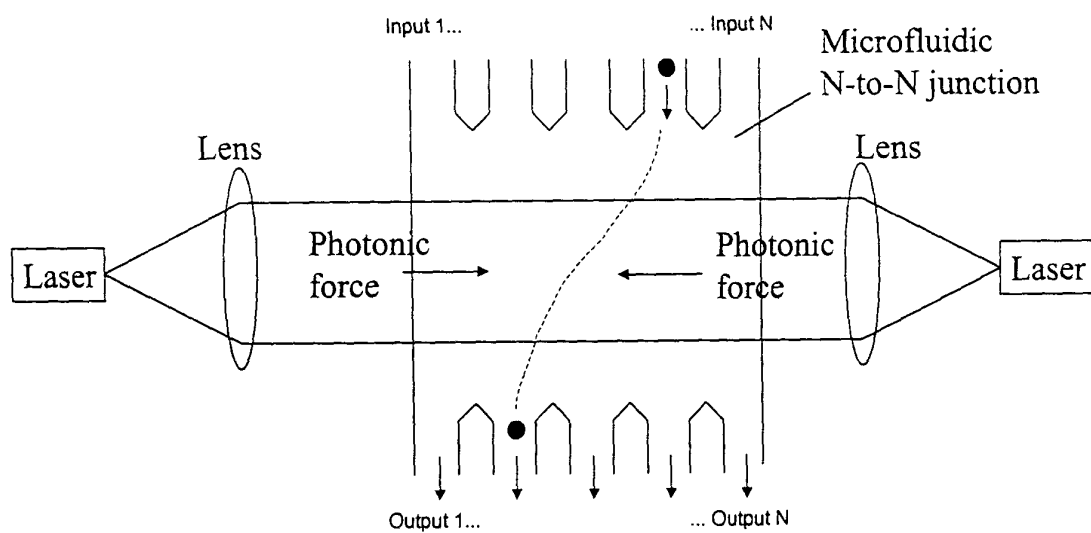


Figure 7d N-to-N optically-switched microfluidic junction

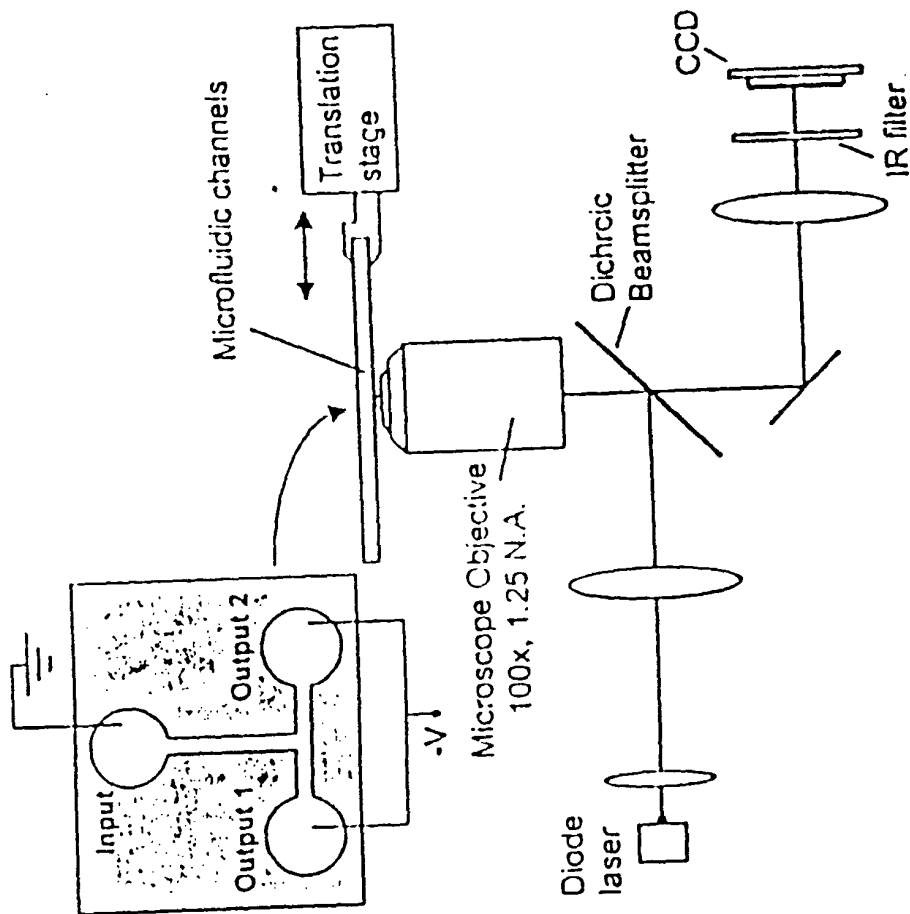


Fig. 8

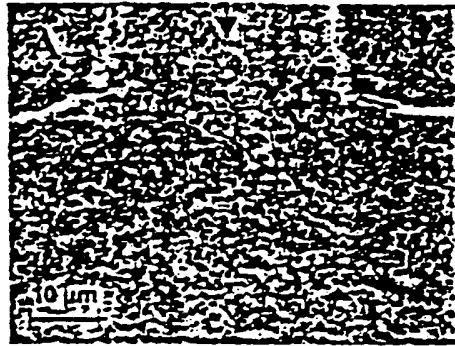


Fig. 9a

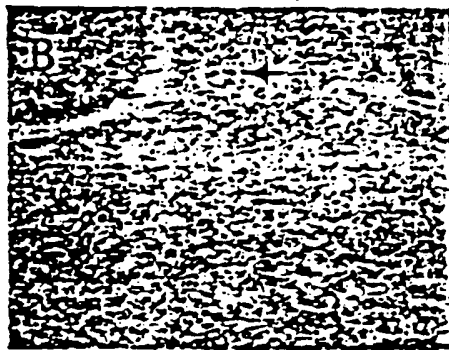


Fig. 9b

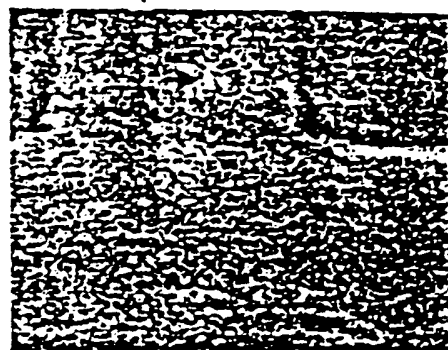


Fig. 9d

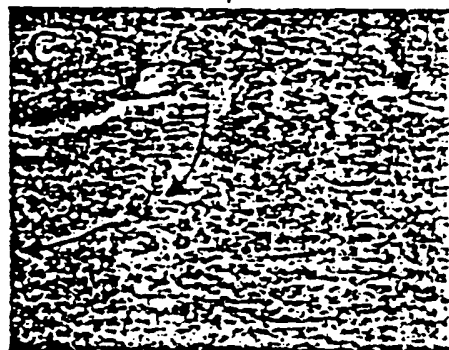


Fig. 9c

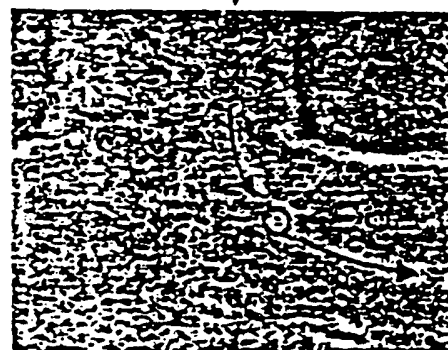


Fig. 9c